NATURAL NEWS

The Field Museum
Exploring
The Earth And Its
People

April 28, 1995

MADAGASCAR EXHIBIT OPENS IN THE SEARLE LOUNGE

On Thursday April 20, 1995 a new exhibit opened in the Searle Lounge, located on the north side of the second floor. The exhibit, entitled *Madagascar: Diversity and Change,* features anthropological artifacts, original paintings of native fauna donated by Peggy Macnamara and **Tom Gnoske,** zoological and botanical specimens and spectacular fossil lemur skulls. The exhibit was developed, coordinated and installed by **Barb Harney.** Barb extends her thanks to everybody who assisted with the exhibit, especially **Dianne Hanau-Strain** for consulting on design, **Jodi Sedlock, Gene Dillenburg, Neil Keliher, Rudy Garcia, Paul Brunsvold, Melissa Morales, Will Grewe-Mullins** and **Chris Gross.**

The exhibit is intended to highlight the upcoming symposium (June 2-4, 1995)," Natural and Human-Induced Change in Madagascar," organized by **Bruce Patterson** and **Steve Goodman.** If you still haven't received registration materials and would like to attend, please contact Jodi Sedlock immediately (x284 or x256). Jodi wishes to remind everyone that the pre-registration deadline is this Monday ($10 for anybody with a Field Museum I.D., $15 late registration).

CENTER FOR CULTURAL UNDERSTANDING AND CHANGE

Cap Sease (Conservation) and **David S. Reese** (Anthropology) have recently returned from six months at the American Academy in Rome.

During her Rome Prize fellowship Cap completed the first draft of a book on archeological conservation. In writing a chapter for this book on the history of archeological conservation she became so interested in this topic that she plans to expand it into a third book. Starting research for this book, she spent considerable time reading Classical authors (Pliny, Vitruvius,Pausanias), Baroque artists (Cellini, Vasari), and 18th and 19th century archeological reports (Schliemann, Layard, Petrie, di Cesnola).

While in Rome she also wrote an invited paper on the ethics of treating looted archaeological material to be presented at the American Institute for Conservation meetings in Minneapolis in June.

David studied the animal bones and shells from American excavations of the East Palatine of rome (above the Coliseum), and met with colleagues in museums and universities in Italy. He

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completed a manuscript on the fish and molluscs from Pompeii and Herculaneum to be published in a volume on the natural history of the sites destroyed by Vesuvius in 79 A.D. He also spent much of his time editing a book entitled The Pleistocene and Holocene Fauna of Crete, and its First Settlers, the outgrowth of a conference he organized two years ago in Utrecht, The Netherlands.

In addition to working hard they also played hard, exploring Rome and its environs. And yes, they consumed lots of pasta and wine!

David is off to the Mediterranean again this summer, this time working on faunal remains from excavations on the Greek mainland and Crete, with a short visit to Cyprus.

CENTER FOR EVOLUTIONARY AND ENVIRONMENTAL BIOLOGY

HEANEY BACK FROM THE PHILIPPINES

Larry Heaney has just returned from six weeks in the Philippines. In spite of heavy (and unexpected) rains, he and **Blas Tabaranza** (Associate, Zoology) from Mindanao State University had great success with their field work on Camiguin Island, a small (ca. 150 square miles) island north of Mindanao: they obtained three new species of small mammals (a shrew and two mice). Finding this many new species is always a surprise, but to find so many on such a small island is virtually unprecedented. Best of all, the remaining forests on the island have been proposed for addition to the national parks system, and these discoveries will increase the likelihood that that will happen. The forests are critical watersheds, as well as homes for the new species.

Larry also attended the fourth annual meeting of the Philippine Wildlife Conservation Society, held at the University of the Philippines in a suburb of Manila; since its founding, the meeting has grown from 23 participants to over 150, a strong indication of the growth of environmental concern and research programs in the Philippines. Nearly all of the officers and board members for the society were participants in the Advanced Training Program here in Chicago in 1991-1993; Blas Tabaranza is President of the society.

SOUTHWESTERN BEETLE EXPEDITION

Al Newton (Zoology) and **Margaret Thayer** (Zoology) just returned from a 6-week field and museum trip to the southwestern United States and California. They collected beetles in New Mexico, Arizona, and southern California, but two feet of fresh snow kept them from doing much at one intended site in northern California! Although it was early in the season for some things (including the weather), one notable success they had was recollecting near Los Angeles an odd genus and species of rove beetle that had not been collected for 50 years. Labels on the few known specimens gave no indication of how they were found, but all were collected in February or March (not peak season for beetle collectors, even in southern California). From the gut contents of one specimen, Margaret had previously predicted that they visit flowers and eat pollen, an unusual habit for rove beetles. At a last-chance stop in the area, Al found some on flowers of hoary-leaf ceanothus, one of several species of *Ceanothus* shrubs that were blooming in the mountains near Los Angeles. Al and Margaret are looking

MORE NEWS OF MEMBERS' NIGHT
May 5, 1995

DEADLINE FOR MEAL TICKET REQUESTS

The deadline for Members' Night meal ticket requests, for staff members and volunteers, is Friday, April 28. Please send your request to **Mary Millsap** (x219).

Volunteers are still needed to work one to two hour shifts as greeters at the north and south entrances and to distribute guidebooks. Each volunteer will receive one meal ticket that can be used on Members' Night. If you would like to volunteer, please call **Susan Webb** (x861). Thank you.

SPRING TIME SECURITY/SAFETY AWARENESS

Security Services would like you to know that the Chicago Police Department has again put special emphasis on the bridge areas by Columbus Drive. The result has been an increase in patrols during the early morning hours when people are arriving at the Museum and also in the late afternoon when people are departing for the day. If any staff or volunteer experiences a problem at the bridges either coming to or from the Museum or in the surrounding museum campus area, please report it immediately to Security (x322). With your continued support, safety and security issues will be properly identified and addressed.

The *Natural News* is edited by **Richard Koontz** and **Carolyn Klyce** in the President's Office. The deadline for all submissions is Tuesday at noon.

Printed on recycled paper.

REPAIR WORK FOR MERIDIAN TELEPHONE SYSTEM

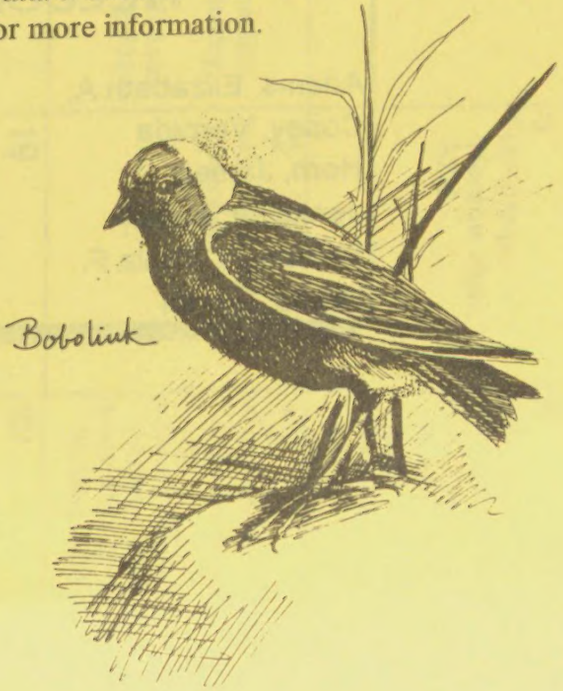
On Wednesday, May 3, there will be an Ameritech technician to do repair work on the telephone system after 5:00 p.m. While the repair work is being completed, some areas of the building will experience no telephone service.

All public phones will be functional, as well as the Security Console phone.

Thank you for your patience and understanding. -- **Pat Phillips** (x216)

ANNUAL SMITH SYMPOSIUM

Three Field Museum stars will shine at the twelfth annual Smith Symposium (in memory of Ellen and Dutch Smith) at Ryerson Woods. On May 7, 14 & 21, the Smith Symposium will feature lectures and workshops about nature, plus bird and flower walks. **Dave Willard** (Birds), **John Slapcinsky** (Invertebrates) and **Paul Baker** (Development) will give programs on *Hummingbirds, Ryerson Invertebrates* and *Bird Sounds*, respectively. Keynote speakers are Donald and Lillian Stokes of the *Stokes Nature Guides*. Call 708/948-7750 or x881 for more information.



BEARS 1995 SCHEDULE

MARK YOUR CALENDARS!

Preseason:

Aug. 4	at 7 p.m.
Aug. 20	at 7 p.m.

Regular Season:

Sept. 3	Minnesota	3:00 p.m
Sept. 11	Green Bay	8:00 p.m.
Sept. 17	at Tampa Bay	3:00 p.m.
Sept. 24	at St. Louis	12:00noon
Oct. 1	Open date	---------
Oct. 8	Carolina	12:00noon
Oct. 15	at Jacksonville	12:00noon
Oct. 22	Houston	12:00noon
Oct. 30	at Minnesota	8:00 p.m.
Nov. 5	Pittsburgh	3:00 p.m.
Nov. 12	at Green Bay	12:00noon
Nov. 19	Detroit	12:00noon
Nov. 26	at N.Y. Giants	12:00noon
Dec. 4	at Detroit	8:00 p.m.
Dec. 10	at Cincinnati	12:00noon
Dec. 17	Tampa Bay	12:00noon
Dec. 24	Philadelphia	12:00noon

WELCOME! New Employees, March 1995

Adams, Elizabeth A.	Education	x854
Cosey, Vernida	Vending	x310
Horn, James	CEEB	
Jenkover, Nancy	Corporations and Foundations	x348
Robinson, Paula F.	Accounting	x258
Webb, Susan	Membership	x861

May 1995

Museum Wide Calendar

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1 5:00-7:00pm SE Citizens for George. Ryan, SFH 1500 5:30-9:00pm SE Harris Bank, Rice 100 7:00-10:00pm SE IL Mycological Assoc., LH2 7:00-10:30pm SE Chgo Hang Gliding, LHI	**2** 12:00-2:00pm DEV Nature Network Luncheon, Rice 7:00-10:00pm SE IL Mycological Assoc., LH2	**3** 8:00am-1:00pm FP&O C.L.A.S.E.C., LHII 8:30am-1:00pm Chgoland art & sci., LH1	**4**	**5** 5:00-10:00pm Members Night, EFM	**6** 1:30-3:00pm DEV CCFR & NCUSAR, JST 4:00-7:00pm ED Film Premier "The Picture Bride", JST 7:00pm-12:00am SE Ab & Assoc., SFH 250
7	**8** 8:00am-1:00pm Asian Amer Chldns Film Fest, LHI 3:00-5:00pm Exh. Staff Mtg. , MH 5:30-11:00pm SE TRIAD, Rice, 130 6:30pm-12:30am SE Enterprise Sys., SFH 400	**9** 5:00-9:30pm SE NWestern Univ Lect., LH1 & Rice	**10** 10:00am-12:00pm Women's Board Annual Meeting, LHI 7:00-9:00pm SE Chgo. Park District, SFH 400	**11** 9:00am-12:00pm ED Volunteer Meeting, CR1 5:00-8:00pm SE Asian Institute, SFH 500	**12** 5:45pm-9:00am ED Overnight	**13** 9:00am-12:00pm ED Volunteer Meeting, LHI 9:00am-12:30pm SE CACUW, DRM 50 5:00-9:30pm SE Reynolds Wedding, SFH 400
14 1:00pm ED Raics del Ande Performance, SFH	**15** 10:30am-12:30pm ED Nakita Tebang, Urban Gateways, LHI 5:00-10:00pm DEV Stewardship Dinner, Rice 6:30-9:30pm SE Mountaineering Club, LHI	**16** 12:00-2:00pm DEV J. Regenstein Luncheon & Tour, Founders'Rm 3:00-5:00pm SE Chgo, Educ. Foundation, JST 300	**17** 11:00am-3:00pm SE Chgo Park District, SFH 400 6:30-8:30pm SE Amer. Law Inst., SFH 450	**18** 6:00-9:00pm DEV Founders' Council Award of Merit Prog., SFH/Ri	**19** 10:30am-12:30pm ED Nakita Tebang, Urban Gateways, LHI	**20** 9:00am-3:00pm Dave Willard, LHI 10:00am-3:00pm Neightbors Day, EFM 6:00-12:00pm SE Youth Guidance, SFH 500
21 10:30am-5:00pm ED Indonesian Fest, SFH, LHI,DRE & CR4 6:30-10:00pm SE Griffith Labs, SFH 400	**22** 9:00pm-1:00am SE Epicurean Rendezvous, SFH 600	**23** 8:30am-1:30pm SE Cinema Academy, JST	**24**	**25** 6:30-11:30pm SE Nat'l Dermatologists, SFH/Rice 1000	**26** 5:45pm-9:00am ED Overnight	**27** 5:30-10:30pm SE Chandra Taylor Wedding, SFH 350
28 1:00pm ED Apollo Chores, SFH	**29** Memorial Day	**30**	**31**			

4/25/1995

"BOOK-ABLE" SPACES IN FIELD MUSEUM
1/6/95

SPACE	LOC	MAX	USE	SCHEDULE BY	CONTACT	EXT.	
Classroom 1	GF	50	I P	Education	Bob Cantu	353	
Classroom 2	GF	40	I P	Education	Bob Cantu	353	
Classroom 3	GF	30	I P	Education	Bob Cantu	353	
Classroom 4	2nd	40	I P	Education	Bob Cantu	353	
Conf. Room 1	GF	20	I	Spec. Events	Barbara Ip	864	
Dining Room A	GF	16	I	Spec. Events	Barbara Ip	864	
Dining Room B	GF	4	I S	Spec. Events	Barbara Ip	864	
Dining Room C	GF	6	I S	Spec. Events	Barbara Ip	864	
Dining Room C/D	GF	20	I S	Spec. Events	Barbara Ip	864	
Dining Room D	GF	12	I S	Spec. Events	Barbara Ip	864	
Dining Room E	GF	75	I P S	Spec. Events	Barbara Ip	864	
D&P Conf. Room	4th	10	I	Exhibits	Jessica Newman	329	
Educ. Conf. Room	GF	14	I S	Education	Clara Aytch-Baker	247	
Developers Conf. Rm.	4th	8	I	Exhibits	Jessica Newman	329	
Founder's Room	1st	100	I S	Tours	Dorothy Roder	862	Restricted use
Montgomery Ward H.	GF	150	I P S	Education	Bob Cantu	353	
Lecture Hall II	GF	75	I P S	Education	Bob Cantu	353	
Picnic East (Sch)	GF	320	P S	Education	Bob Cantu	353	
Picnic West (Pub)	GF	125	P S	Education	Bob Cantu	353	
Rice Center	1st		P S	Spec. Events	Barbara Ip	864	
Simpson Theatre	GF	1000	I P S	Spec. Events	Barbara Ip	864	
Zoology Clrm.	3rd	50	I	Zoology	Norann Miller	255	
Webber Resource	1st	35	P S	Education	Bob Cantu	353	
Maori Meeting House	2nd	35	P S	Education	Bob Cantu	353	
Pawnee Earth Lodge	1st	35	P S	Education	Bob Cantu	353	
Place for Wonder	1st	35	P S	Education	Bob Cantu	353	
Stanley Field Hall	1st	35	I P S	Spec. Events	Barbara Ip	864	
EXHIBIT HALL: Permanent Exhibits			P S	Spec. Events	Carol Konieczny	218}	Exhibits Dept.
EXHIBIT HALLS: Special Exhibits			P S	Spec. Events	Carol Konieczny	218}	consulted prior to confirmation

I = Internal (meetings, etc.)
P = Public (Programs, Classes, etc.)
S = Special Events

CEEB continued

forward to sorting through these and the hundred or so other samples they collected.

In the middle of the trip, while the insect traps sat working at ten sites in three states, Al and Margaret spent a week sorting out and identifying the rove beetles and related groups in the collection of the Bohart Museum (University of California, Davis). They also stopped by to visit Research Associate **David Kistner** at California State University-Chico to pick up a large collection of termitophiles (insects and other arthropods living with termites) from around the world; this builds further on the many other donations Dave has made to The Field Museum.

BARRY CHERNOFF ELECTED TO VICE-CHAIRMANSHIP

Barry Chernoff (Zoology) has been elected the Vice-Chairman of the US National Committee for the International Union of Biological Sciences. The US National Committee is set up, approved and reports to the National Academy of Sciences through the National Research Council Commission on Life Sciences. The two-year term of the Vice-Chairmanship commences July 1, 1995.

CHINESE DELEGATION VISITS FIELD MUSEUM

The delegation charged with developing China's first exhibit on biodiversity visited the Museum on Friday, April 21st . The delegation included Prof. Zhi-Ming Zhang, Director, Beijing Botanical Garden, Mr. Zheng Luo, Chief Landscape Designer, Beijing Botanical Garden, and Mr. Zhong-Ling Xue, Director of Facility Planning and Development, Chinese Academy of Science. They were accompanied on their visit to the Museum by two members of the Morton Arboretum: Craig Johnson, Director of Education, and Peter van der Linden, Curator of Plant Collections. Chicago is one of four United States cities the Chinese delegation is visiting to learn more about environmental education and modern exhibition programs. The Field Museum is the only natural history museum on their itinerary. Their visit was hosted by **Qiuxin Wu** and **Greg Mueller** (Botany). **Bill Burger** (Botany) led the group on a tour of the Botany Department and the plant halls. **Francie Muraski-Stotz** (Exhibits) provided them with a first hand look at exhibit development and provided a tour of the animal halls including Messages from the Wilderness, Nature Walk, and What Is An Animal. The delegation felt that the day was a great success.

PAMELA AUSTIN RECEIVES AWARD

Pamela Austin (Zoology/Mammals), M.S. candidate in the Department of Biological Sciences, University of Illinois-Chicago (**Bruce Patterson** (Zoology, Mammals) and **John Flynn** (Geology) serve as Committee members), has been awarded an honorarium from the American Society of Mammalogists. She was one of three students so honored. Pamela is studying the evolution of social behavior in mongooses. She used the Biochemistry Lab at the Museum to sequence the DNA of various mongooses. She then used this data to reconstruct a family tree of the different mongoose species. Information about the ecology and behavior of these animals (such as diet, activity patterns, habitat preferences) was then traced on the tree to determine if social behavior has been a result of genealogical or environmental influences. Pamela will receive $500 and will have the

CEEB continued

honor of addressing the entire society (~500 people!) during the open session of the meetings to be held June 20-24 in Burlington, Vermont. Pamela is carrying on a tradition started by one of her graduate advisors, Bruce Patterson who also won this award as a graduate student.

NOON BALLOON

The Noon Balloon for April 25, 1995 was given by **Dr. William Burger,** Curator Department of Botany. Bill's presentation covered two distinct topics. The first topic documented the major changes that have occurred in photographic film color quality in recent years. Since a color photo can potentially provide an accurate record of what was seen, then the quality of that color becomes a question of some interest. By using side-by-side photos of the same scene taken with different films, Bill illustrated a surprising variety of results. As newer, "better" color films have come to market, photgraphs seem to reproduce what was seen more faithfully. However, each type of film still has certain undesirable aspects. In some situations, too much color actually obscures resolution of the image. In others, colors not even present in the image create a misleading perception due to excessive yellow or pink hues. After all, we know that the sand dunes around Lake Michigan are not pink. Clearly, what you see is not necessarily what you get with color photography. Bill's second topic introduced the extraordinary diversity in the plant family Euphorbiaceae, the spurges, one of the larger groups comprising 7,700 species in 317 genera. Economically important taxa such as cassava, *Manihot,* a food source, rubber tree, *Hevea,* a source of natural rubber, and castor bean, *Ricinus,* the source of castor oil, are all euphorbs. Other members of the family are used extensively as ornamentals, such as *Croton, Acalypha,* and *Euphorbia* (including poinsettia). Euphorb floral morphology is quite complex. Flowers are unisexual but may be grouped or coalesced in peculiar ways. Euphorbs possess a milky sap that in some species contains highly caustic compounds. Some euphorbs possess extra-floral glands that provide nutrients to ants which in turn tend or guard the plant. Another unusual feature of euphorbs pertains to the fruit capsule which literally explodes when mature, ejecting the seeds with considerable force. Bill discussed the genus *Croton* in detail. He focused on some of the problems encountered in attempts to develop a robust classification for the 800+ species of this world wide genus.

ATTENTION: ALL CEEB CURATORS AND RESEARCHERS!

Please be aware of current NSF proposal deadlines:

Biotic Surveys and Inventories:
May 8, 1995
Research Collections in Systematics and Ecology:
June 15, 1995
[Contact: Dr. Michael Allen, Div. of Environmental Biology, NSF]

Systematics and Population Biology:
June 15, 1995
[Contact: Annalisa Berta, Jane Harrington, or James Rodman, NSF]

In preparing proposals remember that the current institutional indirect cost rates are as follows: 67% for on-grounds expenditures, 25% for off-grounds expenditures and 35% for education-oriented expenditures. If you have any questions contact **Barbara Harney**, Coordinator of Sponsored Programs, in Academic Affairs (x559).